Claims

1. An interactive alarm clock comprising:

a system for designating distinct alarm signals; and

a snooze mechanism for deactivating a first designated alarm signal and

5   automatically activating a second designated alarm signal after a predetermined

time.

2. The alarm clock of claim 1, wherein each successive activation of the snooze

mechanism results in a new designated alarm signal.

3. The alarm clock of claim 1, wherein the system for designating distinct alarm

10   signals comprises a volume system for designating volume levels for the alarm

signals, and wherein the first alarm signal has a different volume level than the

second alarm signal.

4. The alarm clock of claim 1, wherein the system for designating distinct alarm

signals comprises a type selection system for designating alarm types for the alarm

15   signals, and wherein the first alarm signal is a different alarm type than the second

alarm signal.

5. The alarm clock of claim 4, wherein the alarm type is selected from the group

consisting of audio, buzzer and visual.

6. The system of claim 1, wherein the system for designating distinct alarm signals comprises a harmonic system for designating alarm signal harmonics for the alarm signals, and wherein the first alarm signal has different alarm signal harmonics than the second alarm signal.

5   7. The alarm clock of claim 1, further comprising a time system for designating the predetermined time.

8. The alarm clock of claim 1, further comprising a motion detection system for designating a motion detection period, wherein the alarm clock is disengaged if no motion is detected proximate the alarm clock during the motion detection period.

10   9. The alarm clock of claim 8, further comprising a positionable motion detector for detecting motion proximate the alarm clock.

10. The alarm clock of claim 1, further comprising a limit system for designating a maximum snooze quantity, wherein the first alarm signal will not be deactivated if the maximum snooze quantity is matched.

11. An interactive alarm clock, comprising:

a volume system for designating distinct volume levels for successive

alarm signals; and

a snooze mechanism for deactivating a first alarm signal having a first

5   designated volume level and automatically activating a second alarm signal

having a second designated volume level after a predetermined time.

12. The alarm clock of claim 11, wherein each successive activation of the snooze

mechanism results in a new alarm signal having a higher designated volume level.

13. The alarm clock of claim 11, further comprising,

10   a time system for designating the predetermined time;

a limit system for designating a maximum snooze quantity;

a type selection system for designating an alarm type;

a harmonic system for designating alarm signal harmonics; and

a motion detection system for designating a motion detection period,

15   wherein the alarm clock is disengaged if no motion is detected proximate the

alarm clock during the motion detection period.

14. The alarm clock of claim 13, further comprising a positionable motion

detector for detecting motion proximate the alarm clock.

15. A method for operating an alarm clock, comprising:

    designating distinct alarm signals; and

    deactivating a first designated alarm signal and automatically activating a

second designated alarm signal after a predetermined time.

5   16. The method of claim 15, wherein the first alarm signal has a different volume

level than the second alarm signal.

17. The method of claim 15, wherein the first alarm signal is a different alarm

type than the second alarm signal.

18. The method of claim 15, wherein the first alarm signal has different alarm

10   signal harmonics than the second alarm signal.

19. The method of claim 15, further comprising:

    designating the predetermined time;

    designating a maximum snooze quantity, wherein the first alarm signal

will not be deactivated if the maximum snooze quantity is matched; and

15   designating a motion detection period and disengaging the alarm clock if

no motion is detected proximate the alarm clock during the designated period.

20. A program product stored on a recordable medium for programming an alarm

clock, comprises:

      program code for designating distinct alarm signals; and

      program code for deactivating a first designated alarm signal and

5   automatically activating a second designated alarm signal after a predetermined

time.

21. The program product of claim 20, wherein the program code for designating

distinct alarm signals comprises program code for designating distinct volume

levels for the alarm signals.

10 22. The program product of claim 20, wherein the program code for designating

distinct alarm signals comprises program code for designating distinct alarm types

for the alarm signals.

23. The program product of claim 20, wherein the program code for designating

distinct alarm signals comprises program code for designating distinct alarm

15 signal harmonics for the alarm signals.